SERVICE ENTERPRISE ENGINEERING, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Requirements

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Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code | Title                                                      | Credits |
-----|------------------------------------------------------------|---------|
Prescribed Courses

*Prescribed Courses: Require a grade of C or better*

IE 460 Service Systems Engineering 3
IE 478 Retail Services Engineering 3

Additional Courses

*Additional Courses: Require a grade of C or better*

Select 6 credits from Engineering Cluster:

IE 302 Engineering Economy 6
IE 322 Probabilistic Models in Industrial Engineering
IE 323 Statistical Methods in Industrial Engineering
IE 330 Engineering Analytics
IE 402 Advanced Engineering Economy
IE 405 Deterministic Models in Operations Research or MATH 484 Linear Programs and Related Problems
IE 424 Process Quality Engineering
IE 467 Facility Layout and Location
IE 468 Optimization Modeling and Methods
IE 480W Capstone Design Project

Select 6 credits from the Service Cluster:

HDFS 311 Human Development and Family Studies Interventions
HDFS 455 Development and Administration of Human Services Programs
HPA 332 Health Systems Management
HPA 433 Administration of Hospital and Health Service Systems
HPA 442 Long-Term Care Management
HPA 475 Health Care Quality